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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2507-5300.1US (21870-US-01)

First Inventor Himansu M. Gajiwala

Title LOW-COST, LOW-DENSITY, ABLATIVE RUBBER INSULATION
FOR ROCKET MOTORS

Express Mail Label No. EV325772321US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label



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or ☐ Correspondence address below

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State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Katherine A. Hamer

Registration No. (Attorney/Agent)

47,628

Signature

Katherine A. Hamer

Date

June 26, 2003

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16085 U.S. PTO
06/26/03

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 790

Complete if Known

Application Number	To be assigned
Filing Date	June 26, 2003
First Named Inventor	Himansu M. Gajiwala
Examiner Name	To be assigned
Group / Art Unit	To be assigned
Attorney Docket No.	2507-5300.1US (21870-US-01)

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None Order <input type="checkbox"/> Deposit Account: Deposit Account Number: 20-1469 Deposit Account Name: TraskBritt The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>1051</td><td>130</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td></td><td></td><td>1052</td><td>50</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td></td><td></td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td></td><td></td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td></td><td></td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td></td><td></td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td></td><td></td><td>1251</td><td>110</td><td>Extension for reply within first month</td><td></td></tr> <tr><td></td><td></td><td>1252</td><td>410</td><td>Extension for reply within second month</td><td></td></tr> <tr><td></td><td></td><td>1253</td><td>930</td><td>Extension for reply within third month</td><td></td></tr> <tr><td></td><td></td><td>1254</td><td>1,450</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td></td><td></td><td>1255</td><td>1,970</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td></td><td></td><td>1401</td><td>320</td><td>Notice of Appeal</td><td></td></tr> <tr><td></td><td></td><td>1402</td><td>320</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td></td><td></td><td>1403</td><td>280</td><td>Request for oral hearing</td><td></td></tr> <tr><td></td><td></td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td></td><td></td><td>1452</td><td>110</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td></td><td></td><td>1453</td><td>1,300</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td></td><td></td><td>1501</td><td>1,300</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td></td><td></td><td>1502</td><td>470</td><td>Design issue fee</td><td></td></tr> <tr><td></td><td></td><td>1503</td><td>630</td><td>Plant issue fee</td><td></td></tr> <tr><td></td><td></td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td></td><td></td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td></td><td></td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td></td><td></td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td></td><td></td><td>1809</td><td>750</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td></td><td></td><td>1810</td><td>750</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td></td><td></td><td>1801</td><td>750</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td></td><td></td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> Other fee (specify) _____ *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 40)		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			1051	130	Surcharge - late filing fee or oath				1052	50	Surcharge - late provisional filing fee or cover sheet.				1053	130	Non-English specification				1812	2,520	For filing a request for reexamination				1804	920*	Requesting publication of SIR prior to Examiner action				1805	1,840*	Requesting publication of SIR after Examiner action				1251	110	Extension for reply within first month				1252	410	Extension for reply within second month				1253	930	Extension for reply within third month				1254	1,450	Extension for reply within fourth month				1255	1,970	Extension for reply within fifth month				1401	320	Notice of Appeal				1402	320	Filing a brief in support of an appeal				1403	280	Request for oral hearing				1451	1,510	Petition to institute a public use proceeding				1452	110	Petition to revive - unavoidable				1453	1,300	Petition to revive - unintentional				1501	1,300	Utility issue fee (or reissue)				1502	470	Design issue fee				1503	630	Plant issue fee				1460	130	Petitions to the Commissioner				1807	50	Processing fee under 37 CFR 1.17 (q)				1806	180	Submission of Information Disclosure Stmt				8021	40	Recording each patent assignment per property (times number of properties)	40			1809	750	Filing a submission after final rejection (37 CFR § 1.129(a))				1810	750	For each additional invention to be examined (37 CFR § 1.129(b))				1801	750	Request for Continued Examination (RCE)				1802	900	Request for expedited examination of a design application	
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**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Katherine A. Hamer	Registration No. Attorney/Agent)	47,628
Signature	Katherine A. Hamer	Telephone	801-532-1922
		Date	June 26, 2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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